

PROGNOSTIC IN THE DISTRIBUTION OF ANOMALIES OF
Average Monthly Air Temperature of September
and November, by L. G. Borisova, Yu. N.
Dmitryeva.

RUSSIAN, per, Trudy Tsentral Instituta Prognozov,
Moscow, No 71, 1958, pp 40-43.

DSIR LLJ M.1533
(loan)

Sci - Geophys

Sep 60

125,595

61-13314

[Tsapkanova] Ye. I. and [Khesina] B. G.
THE TAKING INTO ACCOUNT OF THE PRECEDING
DEVELOPMENT OF ATMOSPHERIC PROCESSES AND
THE DISTRIBUTION OF THE WEATHER ELEMENTS
IN THE CONSTRUCTION OF MONTHLY WEATHER
FORECASTS. 10 Dec 59, 7p. (2 tables omitted) 3 refs.

Trans. no. 26; M1930.

Order from LC or SLA m\$1.80, ph\$1.80 61-13314

Trans. of [Tsentrallyy] Inst[itut] Prog[noz] Moscow
Trudy (USSR) 1958, no. 71, p. 44-47.

By indications in the corresponding month of previous
years and observing the general character of the tem-
perature distribution, an analogue is selected on which
to base a monthly weather forecast. This study was
made to ascertain the desirability of ascertaining the
degree of analogy in the development of synoptic proc-
esses and of spatial distribution of temperature and
pressure in previous months for the construction of a
monthly forecast of the air temperature anomaly over
(Earth Sciences--Meteorology, TT, v. 3, no. 9) (over)

I. Weather forecasting--
USSR

I. Tsapkanova, Ye. I.

II. Khesina, B. G.

III. Trans-26

IV. DSIR LLU M. 1930

151933

Office of Technical Services

Mean Monthly Air-Temperature Anomaly in the Winter Months Over the European Territories of the USSR and Western Siberia in Connection With the Features or Synoptic Processes, by E. I. Borisova.

RUSSIAN, per, Trudy Tsentralnogo Instituta Prognozov, No 71, Moscow, 1958, pp 48-77.

DSIR LLJ M.1532
(1022)

Set 60
USSR
Geog

125,596

The Analysis and Forecasting of Anomalies of
Air Temperature for the Spring Months, by E. A.
Nikitina.

RUSSIAN, per, Trudy Tsentral Instituta Prognozov,
No 71, Moscow, 1958, pp 78-113. 9077767

DSIR IJU M. ~~881~~ 1474
(loan)

Sci - Geophys

128,773

Oct 60

On Forecasting the Pressure Fields for
2-3 Days, by Ye. L. Turketti, 24 pp.

RUSSIAN, per, Trudy Tsentral'nyy Institut
Prognozov, No 73, 1958, pp 57-72.

SLA 60-19979

Sci
26 May 62
Vol IV, No 8

198, 222

9-5502

(DC-3093).

Results of a Soviet Study of Jet Streams and Fronts for the Areas Encompassing Europe, Western Siberia, Kazakhstan, and the Adjoining Regions of Central Asia, by Kh. P. Pogosen, M. V. Shabel'nikova, 10 pp.

RUSSIAN, per, Trudy Tsentral Inst Prognozov, No 77, 1958, pp 8-14.

JPRS-L-1915-D

USSR

Sci - Geophysics, Meteorology
Nov 59

101,633

Concerning One Numerical Method of Calculation of
the Basic Field for the Case of a Baroclinic
Atmosphere, by V. P. Sadokov,

San San Great Progress
RUSSIAN, per, Trudy ~~ISIP~~, No 478, 1958.

FDD X-4234

JPL 4234

Sci - Geophysics

Apr 60

115,130

On the Formation of Zonal Circulation, by S. A.
Mashkovich.

RUSSIAN, per, Trudy Tsentral Inst Prognozov, No 78,
1958, pp 5-36.

MLL M. 3117

Sci - Geophys

Apr 62

189, 779

THEORETICAL MODEL FOR STUDYING THE FORMATION OF
THE GENERAL CIRCULATION OF THE ATMOSPHERE AND OF
CLIMATIC FIELDS OF THE METEOROLOGICAL ELEMENTS, BY
S. A. MASHKOVICH.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
VOL LXXVIII, 1958, PP 37-63.

NLL M. 3836

SCI - GEOPHYS

OCT 62

214,773

ON THE QUESTION OF LONG-PERIOD FORECASTING OF
THE HUMIDITY FIELD IN THE TROPOSPHERE, BY E. M.
DOBRYSMAN.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
VOL LXXVIII, 1958, PP 64-72.

NLL M. 3835

SCI - GEOPHYS

OCT 62

214,769

On the Investigation of the Errors of the
Numerical Solution of the Equation of Transfer
of Vorticity in the Middle Layer of the Atmosphere,
by S. L. Belousov.

RUSSIAN, per, Trudy Tsentral Inst Prognozov, No 78,
1958, pp 73-82.

NLL M. 3119

Sci - Geophys

189, 791

Apr 62

1959; 1960; 1961; The Division of the Department of
Geostrophically for the Prognosis of Meteorological
Elements, by V. V. Dylov,

Central Trust Program
RUSSIAN, 1959, Study ~~1959~~, No 78, 1959, pp. 1-10

ADD 1-4217

JPRS 5205

Sci - Geophysics

NLL 14.3/16

Apr 60

115, 113

The Analytical Representation of the Sequence of
Meteorological Fields by Means of Natural
Orthogonal Components, by N. A. Bagrov.

RUSSIAN, per, Trudy Tsentral Inst: Prognozov,
No 74, 1959, pp 3-24.

MLL M. 3111

Sci - Geophys

Apr 62

189, 789

Application of the Laws of Change of the Anomaly
of the 500/1000mb. Thickness ~~ml~~ to Forecasting the
Surface Pressure Field of the "Tendency" of the
at Following Natural Synoptic Period, by Kh. Kh.
Rafailova.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 74, 1959, pp 47-55.

NLL M. 3113

Sci - Geophys

Apr 62

189, 783

The Degree of Analogy of Meteorological Fields and
the Evaluation of Forecasts, by N. A. Zagrov.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 74, 1959, pp 56-68.

NLL M. 3115

Sci - Geophys

Apr 62

189,790

RESULTS OF REDUCTION OF OBSERVATIONS OF THE
MICRO-STRUCTURE OF CLOUDS WITH ICE ACCRETION AND
WITHOUT ICE ACCRETION ON AIRCRAFT, BY I. G.
PCHELKO, A. M. BOROVNIKOV.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 80, 1959, PP 64-78.

NLL M. 3755

SCI - GEOPHYS

GB/259

OCT 62

214,164

ON FORECASTING THE FORM OF PRECIPITATION AT THE
EARTH'S SURFACE, BY M. N. MINEYEVA.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 83, 1959, PP 28-38.

NLL M. 3822

SCI - GEOPHYS

OCT 62

214,774

THE FORECASTING OF THE SEVEN-DAY 500MB. MEAN
CHART, BY N. I. ZVEREV.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 85, 1959, PP 27-39.

NLL M. 3823

SCI - GEOPHYS

OCT 62

214,784

ON THE ZONAL CIRCULATION OF THE ATMOSPHERE, BY
G. I. MORSKOY.

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NO 85, 1959, PP 40-61.

NLL M. 3752

SCI - GEOPHYS

OCT 62

213,018

The Selection of Analogues, by M. V. Grichenko,
Yu. N. Dmitryeva.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 87, 1959, pp 51-56.

NLL M. 3825

Sci - Biol

Nov 62

INVESTIGATION OF THE POSSIBILITY OF EXTRAPOLATION OF
THE FIELDS OF ANOMALIES OF CYCLONIC AND ANTI-CYCLONIC
ACTIVITY, BY N. A. BELINSKIY, M. G. GLAGOLEVA.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV, NO 91,
1959, PP 3-17.

NLL M. 3749

SCI - GEOPHYS

OCT 62

213,011

DISCUSSION OF THE MEAN MONTHLY TEMPERATURE AND
ITS PREDICTION, BY YU. B. KHRABROV.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV, NO 92,
1960, PP 3-142.

NLL M. 3816

SCI - GEOPHYS

OCT 62

203,016

INVESTIGATION INTO THE SYNOPTICO-CLIMATIC FEATURES
OF MARCH AND THE POSSIBILITY OF PREDICTING THE
MONTHLY MEAN TEMPERATURE ANOMALY, BY A. I. STABOVA.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 92, 1960, PP 13-30.

NLL M. 3815

SCI - GEOPHYS

OCT 62

214,171

(NY-6875)

Perfecting the Methods of Long-Range
Forecast of Absolute-Topography Maps
According to a Barotropic Model, by
Ya. M. Kheyfets, I. A. Shishkova, 12 pp.

RUSSIAN, per, Trudy Tsentral'nogo
Instituta Prognozov, No 93, 1960,
pp 16-24.

JPRS 12790

Sci - Geophys
Mar 62

187, 687

Forecasting the Geopotential in Northern Hemisphere
in the Case of a Baroclinic Atmosphere, by S. L. Belousc

RUSSIAN, per, Trudy Tsentral Inst Prog, No 93, 1960,
pp 25-34.

OTS

Sci - Geophy

17 May 61

150,898

The Hydrodynamic Theory of Atmospheric Macro-processes,
by S.A. Maslikovich.

RUSSIAN, per, Trudy Tsentral Inst Prog, No 93, 1960,
pp 35-37.

OTB

Sci - Geophy

159958

17 May 61

61-19933

I. Dyubuk, A. F.

Dyubuk, A. F.
COMPUTATION IN THE FORECAST OF THE PRES-
SURE FIELD OF THE INITIAL DATA OF TWO
PERIODS (Uchet v Prognoze Baricheskogo Polya
Nachal'nykh Dannyykh Dvukh Srokov). [1961] [13]p.
1 ref.

Order from OTS or SLA \$1.60

61-19933

Trans. of Tsentral'nyi Institut Prognozov [Moscow].
(USSR) 1960, v. 93, p. 38-48.

DESCRIPTORS: *Weather forecasting. Atmosphere,
Pressure.

In connection with the turbulent character of the field
of velocities, the solution of a system of equations of
hydrodynamics and thermodynamics is presented in
such a form that instead of the initial velocities or in-
stead of derivatives of pressure according to time at
the initial moment the pressure values for several in-
itial periods is shown.

176627

Office of Technical Services
(Earth Sciences--Meteorology,
TT, v. 6, no. 6)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880075-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880075-7

An Estimate of the Solution Accuracy of the Poisson
Equation by Various Computational Methods.
by R. L. Alpatova
RUSSIAN, per, Trudy Tsentral Inst Prog, No 93, 1960
pp 59-64

OTB

Sci - Phy

17 May 61

150,899

A TRIAL OF NEW METHODS OF FORECASTING THE MOVEMENT
AND DEVELOPMENT OF PRESSURE SYSTEMS, BY
BEL'SKAYA.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 95, 1960, PP 3-31.

NLL M. 3809

SCI - GEOPHYS

OCT 62

213,012

FORECASTING THE PRESSURE FIELD OVER THE NORTHERN
HEMISPHERE FOR 1, 2, 3 AND 4 DAYS BY AN
EXTRAPOLATION METHOD, BY N. I. ZVEREV, G. I.
NORSKOY.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 97, 1960, PP 67-81.

NLL M. 3819

SIC - GEOPHYS

OCT 62

214,785

RESULTS OF FORECASTING THE PRESSURE FIELD AT THREE
LEVELS USING A CALCULATING MACHINE, BY P. K.
DUSKIN, E. G. LOMONOSOV.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
VOL CVI, 1960, PP 20-31.

NLL M. 3844

SCI - GEOPHYS

OCT 62

214,771

THE REDUCTION IN ACCURACY OF NUMERICAL
FORECASTS OF THE PRESSURE FIELD AS A RESULT OF
FICTITIOUS BOUNDARY CONDITIONS, BY L. A.
DIKLI.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
VOL CVI, 1960, PP 37-44.

NLL M. 3843

SCI - GEOPHYS

OCT 62

214,768

Calculating the Deviation of the Wind From the
Geostrophic and the Movement of Depressions,
by K. V. Pyatygina.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 106, 1960, pp 45-52.

NLL Ref: 5828.4 1963 (5,251)
(loan)

236,090

Sci - Earth Sci & Astron
Jul 63

SOME RESULTS OF NUMERICALLY PREDICTING THE
PRESSURE FIELD USING THE ELECTRONIC COMPUTER
"STRELA", BY S. A. MASHKOVICH, L. G. GROMOVA.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
NO 106, 1960, PP 61-64.

NLL M. 3845

SCI - ENGR, ELECTRON

NOV 62

217,680

EXPERIMENTAL WORK OF THE COMPUTING GROUP IN THE
LENINGRAD WEATHER BUREAU IN RELATION TO PREDICTING
THE PRESSURE FIELD AND THE MOVEMENT OF DEPRESSION,
BY L. S. ORLOVA.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
VOL CVI, 1960, PP 123-131.

NLL M. 3842

SIC - GEOPHYS

OCT 62

214,775

Decomposition of Meteorological Fields into
Natural Orthogonal Components, by N. A.
Bagrov
RUSSIAN, per, Tr. Tsentr. Inst. Prog. Vol 106,
1960, pp 133-138.
MLL Ref: 5828.4F (7143)

Sci-Atmospheric Sci
Jul 68

360,798

(DC-6800)

A System for Numerically Forecasting the
Wind and the Geopotential in the Lower Half
of the Troposphere, by A. I. Burtsev, 13 M.

RUSSIAN, per, Trudy Tsentral' Inst
Prognosov, No 110, 1960, pp 32-41.

JPRS 14039

Sci - Geophys
Jun 62

199, 326

Data on the Kama Reservoir, 2 pp.

RUSSIAN, per, Trudy Tsental Inst Prognozov,
1961, pp 3-35.

AF 1521086563

USSR

Geog

15 Mar 63

CLOUDINESS IN THE UPPER TROPOSPHERE, BY G. D.
ROSETOV.*

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NO 81, 1961, PP 48-91.

NLL M. 3790

SCI - PHYS

OCT 62

214,168

NCH-202 890

Field 4B, 1B

NOCTURNAL THUNDERSTORMS ON THE AIR ROUTES
OF THE SOVIET UNION. 1965, 17p, 7refs.
NLL-M.5783.
Order from NLL-SS M.5733

Trans. of Tsentralnyi Institut Prognozov. Trudy (USSR)
n81 p113-26 1961.

I. National Lending Library
for Science and
Technology,
Boston Spa (England)

(NY-6875)

Theory of Long-Range Forecast Allowing
for the Vertical Stratification of the
Atmosphere and for the Turbulent
Intermixing, by S. A. Mashkovich,
Ya. M. Khayfets, 18 pp.

RUSSIAN, per, Trudy Tsentral'nogo IN
Instituta Prognozov, No 93, 1961,

JPRS 12750

Sci - Geophys
Mar 62

187, 686

On the Effect of the Rotation of the Earth on
the General Circulation of the Atmosphere, by
R. P. Ussanov.

RUSSIAN, per, Trudy Tsentral Inst Prognogov,
No 104, 1961, pp 3-50.

NLL M 852 5010

Sci - Earth Sci & Astron
Mar 63

226,799

A Statistical Evaluation of Prognostic Equation
Parameters, by G. I. Morskoy.

RUSSIAN, per, Trudy Tsentral Inst Prognozov, No 104,
1961, pp 118-122.

*Weather Bureau

Sci - Earth Sc & Ast

22 Apr 63

Aerological Charts at Standard Levels and the
Prospects of Using Them in Synoptic Meteorology,
by R. F. bsmenov.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 104, 1961, pp 123-128.

NLL Ref: 5828.4 1963 (5468) (loan)

May 64

(DC-~~100~~6800)

Calculation of Cyclonic Movement by Initial
Pressure and Wind Fields, by A. I. Burtsev,
N. G. Lechnov, 12 pp.

RUSSIAN, per, Trudy Tsentral'nogo Institut
Pognozov, No 110, 1961, pp 42-50.

JPRS 14039

Sci - Geophysics
Jun 62

199, 327

(DC-6800)

Horizontal Wind Divergence and Its Role in
the Variation of Intensities of Surface
Cyclones and Anticyclones, by O. V.
Gayevskaya, 9 pp.

RUSSIAN, per, Trudy Tsentr'l' Inst
Prognosov, No 110, 1961, pp 70-76.

JPRS 14039

Sci - Geophys
Jun 62

199,328

On the Forecasting of Geopotential in the Upper
Portion of the Atmosphere, by S. L. Belousov,
V. G. Boldyrev, 14 pp.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
Vol CXI, 1961, pp 3-12. 9201793

Weather Bureau/T-89

Sci - Geophys
12 Mar 63

OTS 77-62-11742

224,819

Mashkovich, S. A.
ON THE THEORY OF PRESSURE WAVES IN A
BAROCLINIC ATMOSPHERE (K Teorii Voln Davleniya v
Baroklinnoi Atmosfere) tr. by Irene A. Donehoo.
Mar 63, 26p. 5 refs. WB/T-95.
Order from OTS \$0.75

63-11611

Trans. of Tsentral'nyi Institut Prognozov. (Trudy (USSR)
1961, v. 111, p. 13-28.

DESCRIPTORS: *Atmospheric motion, Stability,
*Barometric pressure, Atmosphere, Stratification,
Atmospheric models, *Meteorological parameters,
Mathematical analysis.

The development of waves imposed on the baroclinic
zonal flow is investigated. The problem is solved with
a numerical method for four and ten-level atmospheric
models. The results obtained are used for investigating
(Earth Sciences--Atmosphere, TT, v. 10, no. 2) (over)

63-11611

- I. Mashkovich, S. A.
- II. WB/T-95
- III. Weather Bureau,
Washington, D. C.

Office of Technical Services

62-11683

Belov, P. N.

NUMERICAL PREDICTION OF THE PRESSURE
FIELD BY A THREE LEVEL ATMOSPHERIC
MODEL (Chislennyi Prognoz Baricheskogo Polya po
Trehurovennoi Modeli Atmosfery) tr. by H. K. Gold.
May 62, 14p. 12 refs.

Order from OTS \$0.50

62-11683

Trans. of Tsentral'nyi Institut Prognozov. Trudy
(USSR) 1961, v. 111, p. 29-38.

DESCRIPTORS: *Atmosphere models, Pressure, Com-
puters, Weather forecasting, *Air mass analysis,
Statistical functions, *Barometric pressure, Tem-
perature, Stratification.

One of the possible variants of the solution of the
problem of the numerical forecast of pressure at
various atmospheric levels is proposed, using an e-
(Earth Sciences--Meteorology, TT, v. 8, no. 4)
(over)

I. Belov, P. N.

II. Weather Bureau,
Washington, D. C.

Office of Technical Services

TT-62-11744

Petrichenko, L. A. and Kartashova, M. V.
ON THE CALCULATION OF OBSERVATIONAL DATA
AT CERTAIN ATMOSPHERIC LEVELS IN AN
OBJECTIVE ANALYSIS OF THE PRESSURE CONTOUR
MAP (K Uchetu Danykh Nablyudeni na Neskol'kikh
Urovnyakh Atmosfery pri Ob'ektivnom Analize Kart
Baricheskoi Topografi)
H. K. Gold, tr. Jul 62, 6p 3 refs
Order from OTS \$0.50

TT-62-11744

Trans. of Tsentral'nyi Institut Prognozov, Trudy (USSR)
1961, v. III, p. 39-43. (Abstract available)

DESCRIPTORS: *Barometric pressure, *Meteorological
charts, Weather forecasting, Meteorology, Polynomials,
Least squares method, Numerical analysis.

The accuracy of interpolation of geopotential is studied
for the purpose of an objective analysis. For the inter-
(Earth Sciences--Meteorology, TT, v. 11, no. 7)(over)

I. Petrichenko, L. A.
II. Kartashova, M. V.
III. Weather Bureau,
Washington, D. C.

Office of Technical Services

Belov, P. N.
USE OF EMPIRICAL INFLUENCE FUNCTIONS FOR
A WEATHER FORECAST AT A SINGLE STATION
(Ispe'zovaniye Empiricheskikh Funktsii Vliyaniya dlya
Prognozy v Odnom Puntke)
H. K. Gold, tr. Jul 62, 13p 14refs
Order from OTS \$0.59

TT-62-11741

Trans. of Tsentral'nyi Institut Prognozov. Trudy (USSR)
1961, v. 111, p. 44-49. (Abstract available)

DESCRIPTORS: *Weather forecasting, Meteorological
parameters, Hydrodynamics, Thermodynamics,
Equations, Computers, Statistical analysis,
Meteorology.

An attempt is given to work up methods of statistical
treatment of meteorological elements in their entirety
for a period of three days. A selection of types of
(Earth Sciences--Meteorology, TT, v. 11, no. 7)(over)

TT-62-11741

I. Belov, P. N.
II. Weather Bureau,
Washington, D. C.

Office of Technical Services

On Certain Characteristics of the Zonal Circulation
of the Atmosphere Over the Northern Hemisphere
During the International Geophysical Year, by
S. A. Mashkovich, Ya. M. Kheifets, 15 pp.

RUSSIAN, per, Trudy Tsentral. Inst. Prognozov,
Vol CXI, 1961, pp 50-62. 9401794

Weather Bureau/T-90

DATE: 11-15-68

Sci - Geophys
12 Mar 63

224,820

(SF-2203)

DIVERGENCE AND CURV OF WIND VELOCITY
AND THE LAPLACIAN H AT HEIGHTS IN QUASI-VERTICAL
CYCLONES, AND ATNI-CYCLONES, BYA. N.
MERTSALOV, 18 PP.

RUSSIAN, PER, TSENTRAL' TRUDY INST PROGNOZOV,
NO 112, 1961, PP 18-31.

JPRS 14255

SCI - GEOPHYS
JUL 62

201,983

(SF-2202)

Prognosis of the Geopotential in the Centers
of Cyclones and Anticyclones at Heights Along
the Wind Field Taking Acceleration Into
Account, by M. M. Mineyeva, 13 pp.

RUSSIAN, per, Trudy Tsentral Est Prognosov,
No 112, 1961, pp 32-39.

JPRS 13356

190, 211

Sci - Geophys
Apr 62

(SF-2203)

RESULTS OF TESTING METHODS OF FORECASTING
THE ABSOLUTE GEOPOTENTIAL OF THE ISOBARIC
SURFACES OF 500 AND 300 MILLIBARS, BY
T. D. SEREDA, 8 PP.

RUSSIAN, PER, ~~XXXX~~ TRUDY TSENTRAL' INST
PROGNOZOV, NO 112, 1961, PP 40-45.

JPRS 14255

SCI - GEOPHYS
JUL 62

201,984

Gubanova, S. I., Khalikova, G. M., and Turyanskys,
N. G.
ON FORECASTING THE GEOPOTENTIAL IN A
POLYTROPIC ATMOSPHERE (K Prognozu Geopotentsiy
v Politropnoi Atmosfere) tr. by Irene A. Donehoo.
Jun 63, 13p 4refs WB/T-97.
Order from OTS \$0.50

63-11701

Trans. of Tsentral'nyi Institut Prognozov. Trudy (USSR)
1962, v. 102, p. 53-59.

DESCRIPTORS: *Weather forecasting, *Meteorology,
Climatology, *Barometric pressure, Atmosphere,
Northern Hemisphere, Differential equations, Numeri-
cal analysis

A nonlinear spatial problem on forecasting the geo-
potential over the Northern Hemisphere is solved. It
is assumed that the temperature varies linearly with
height in the troposphere and does not depend on the
(Earth Sciences--Meteorology, TT, v. 10, no. 11) (over)

63-11701

- I. Gubanova, S. I.
- II. Khalikova, G. M.
- III. WB/T-97
- IV. Weather Bureau,
Washington, D. C.

ALL (LAN) Rf: 5228.4
1962 (5.362)

Office of Technical Services

On a Way of Finding the Sign of the Five-Day
Air Temperature Anomaly Two Months Ahead, by
S. T. Pagnava, N. A. Sevalkina.

RUSSIAN, per, Trudy Tsentral. Inst. Prognozov,
No 103, 1962, pp 3-15.

NLL M 5005

Sci - Earth Sci & Astron
Mar 63

226,541

A Method of Improving the Mean Monthly Air
Temperature Anomaly Forecast, by D. A. Pod,
V. F. Kozel'sheva.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 103, 1962, pp 16-30.

NLL M 5011

Sci - Earth Sci & Astron
Apr 63

226,987

Editorial, by V. G. Semenov.
RUSSIAN, per, Trudy Tsentr Inst. Prognosov,
1962, Vol 115, pp 3-4.
NLI 9022.551 1964 (239) (On Loan)

Aug 65

287,218

A Study of the Continuity of the
Fields of Anomaly of the 500-1000 mb
Geopotential Thickness Using Markov
Chains for Forecasting the Mean Monthly Air
Temperature, H. H. Rafailova.
RUSSIAN, per, Trudy Tsentr Inst. Prognozov.,
1962, Vol 115, pp 107-125.
NLL 9022.551 1964 (274) (On Loan)

Aug 65

288,045

Making Use of the Km Principle of
Analogousness in the Forecasting of Synoptic
Processes and Weather for Five Days, by
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